



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Patent Application

Inventor (s) Jari M. Heinonen
Michael R. Hirano

Serial No. 09/593,215

Art Unit Unknown

Filing Date June 14, 2000

Examiner Unknown

Title: Apparatus and Method for Synchronization in a Multiple-Carrier
Communication System by Observing a Plurality of Synchronization
Indicators

BOX: DISCLOSURE

Assistant Commissioner for Patents
Washington, D.C. 20231

SIR:

INFORMATION DISCLOSURE STATEMENT

In accordance with 37 CFR 1.97(b), the enclosed Information Disclosure Statement, with attached reference(s), is submitted for consideration in the above-identified application.

A copy of each of the listed documents is enclosed.

NO FEE REQUIRED.

The Examiner is respectfully requested to make the listed documents of record in connection with the prosecution of the subject application.

Respectfully,

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Date:

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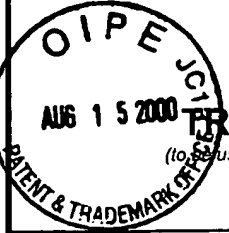
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Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

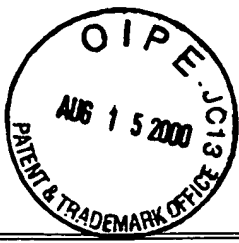
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 TRANSMITTAL FORM (to be used for all correspondence after initial filing)	Application Number	09/593,215
	Filing Date	June 14, 2000
	First Named Inventor	Jari M. Heinonen
	Examiner Name	Unknown
	Group Art Unit	Unknown
Total Number of Pages in This Submission	4 pages + refs + 2 postcards	Attorney Docket Number 1999-0336 (STG162) (103567-156902)

ENCLOSURES (check all that apply)		
<input type="checkbox"/> Fee Transmittal Form	<input type="checkbox"/> Assignment Papers (for an Application)	<input type="checkbox"/> After Allowance Communication to Group
<input type="checkbox"/> Fee Attached	<input type="checkbox"/> Drawing(s)	<input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences
<input type="checkbox"/> Amendment/Response	<input type="checkbox"/> Licensing-related Papers	<input type="checkbox"/> Appeal Communication to Group (Appeal Notice, Brief, Reply Brief)
<input type="checkbox"/> After Final	<input type="checkbox"/> Petition Checklist and Accompanying Petition	<input type="checkbox"/> Proprietary Information
<input type="checkbox"/> Extension of Time Request	<input type="checkbox"/> To Convert a Provisional Application	<input type="checkbox"/> Status Letter
<input type="checkbox"/> Express Abandonment Request	<input type="checkbox"/> Power of Attorney, Revocation	<input checked="" type="checkbox"/> Additional Enclosure(s) (please identify below):
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<input checked="" type="checkbox"/> PTO Form 1449	<input type="checkbox"/> Terminal Disclaimer	
<input checked="" type="checkbox"/> (5) cited references		
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<input type="checkbox"/> PTO Form 1533		
<input type="checkbox"/> Response to Missing Parts Under 37 CFR 1.52 or 1.53		
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SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT	
Firm or Individual Name	Terrance A. Meador Reg. No. 30,298 GRAY CARY WARE & FREIDENRICH
Signature	<i>Terrance A. Meador</i>
Date	9 August 2000

CERTIFICATE OF MAILING			
I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail in an envelope addressed to: Assistant Commissioner for Patents, Washington, D.C. 20231 on this date: <u>9 August 2000</u>			
Typed or printed name	Terrance A. Meador		
Signature	<i>Terrance A. Meador</i>	Date	9 August 2000

SHEET 1 OF 1

Form PTO-1449

**INFORMATION DISCLOSURE CITATION
IN AN APPLICATION**
(Use Several Sheets If Necessary)

Docket No: 1999-0336 (STG 162)

Application No: 09/593,215

Applicant: J. Heinonen et al.

Filing Date: 6/14/2000

Group Art Unit: (unknown)

U.S. PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	5,596,582 •	01/21/97	Sato et al.	370	509	
	5,774,450 •	06/30/98	Harada et al.	370	206	

FOREIGN PATENT DOCUMENTS

	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
						YES	NO

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

	A1	Lawrey, Eric, OFDM Results, http://www.eng.jcu.edu.au/eric/thesis/Thesis , http://www.eng.jcu.edu.au/eric/thesis/chapter1.htm (September 24, 1999), http://www.eng.jcu.edu.au/eric/thesis/chapter2.htm and http://www.eng.jcu.edu.au/eric/thesis/appendix.htm , November 5, 1999 (56 pgs)
	A2	Speth, Michael, OFDM Receivers for Broadband-Transmission, OFMD, http://www.ert.rwth-aachen.de/Projekte/Theo/OFDM/www_ofdm.html node1.html through node9.html , November 8, 1999 (15 pgs)
	A3	Speth, Michael, et al., "Broadband Transmission Using ODM: System Performance and Receiver Complexity", (7 pgs) (date unknown)

EXAMINER

DATE CONSIDERED

EXAMINER: Initial if citation is considered, whether or not citation is in conformance with MPEP ' 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to the applicant.

(2/92 PTO)